Cattle marketing sees age of computers

Tucson student successful

By Michelle Morrey

We've all been warned of the hazard of waiting until the night be-fore a test to cram. For Diane Burns, it is no hazard and her 3.85 grade point average is proof of that.

Burns said she usually studies one night before a test but always keeps her notes organized. Burns chose Add over the other 20 vet schools in the country because her chances were better than at other schools.

"I'd glad I came here," Burns said. "To me, success in college is largely how you play your cards. I have found out that who your professors are really make a difference. I was always careful who I got for my professors. I didn't want an easy one, I just wanted a teacher to be fair."

Burns said she asks other good stu-dents who have already had the courses what professors to avoid. "It's not so much picking the good lows Program at Texas A&M.

ther colleges

in the show.

King and Queen Cotton will appear again on the Texas A&M University campus, as they have done each spring for the past 45 years, during the annual Cotton Pageant, sponsored by the Agronomy Society.

This year's contest will feature 82 couples. They will be sponsored by organizations and dorms on campus, A&M mother's clubs, A&M former student groups and

From its beginning with 60 couples in 1932, the num-ber of court members grew as high as 200 couples in

Jamey Douglas, social secretary of the Agronomy Society and chairman of the event, said the contestants were judged on "grace, poise and beauty."

Pageant and Ball origins can be traced to the school ear 1930-31, when A&M Dean of Agriculture E. J. Kyle

amed with district agent Sterling C. Evans of the

Texas Agricultrure Extension Service to develop an

The first show was held in 1932 under the direction of

Mrs. John P. Wheeler. Mrs. Wheeler recruited young ladies from Bryan and College Station to serve as models

By 1935, contestants were designing and making their

comote interest in cotton production and use

Gesseneck

ones, as it is avoiding the bad ones," she said. Burns, 21, is a senior animal scienburns, 21, is a senior animal scien-ce major from Tucson, Ar. She came to Texas A&M hoping some day to attend veterinary medicine college because Arizona does not have one. Burns chose A&M over the other 20

her schools. After she graduates in May, Burns must establish state residency before applying to vet school. She will have States. work for one year. Burns said durto work for one year. Burns said dur-ing that year she would like to train horse," she said. "We're trying to

At this point, she is not certain she will apply for vet school. She said she will decide after working for one agement."

Her high GPA enables her to par-ticipate in the Undergraduate Fel-

Cotton pageant: traditional event

for 45 years in Texas A&M history

Burns' research is an evaluation of the gross energy of mare's milk. Simply put, she is figuring the calories of mare's milk.

She said not much research has been done on this in the United States. But Russia has done considerable research on it. The Russians ferment the milk and call it kumiss They use it to treat whooping cough and tuberculosis. Burns said she doesn't think it will

ever be used for that in the United

determine what normal physiology i for the horse so we can be most effi-

She is the president of the Horse men's Association and is an agricul ture council representative for the Saddle and Sirloin Club.

own gowns. Over the years, gowns designed in Paris New York, Hollywood and other clothing capitals of the world have been modeled during the pageant. The forming of the court of the King of Cotton was an

integral part of the festivities. The Agronomy Society electes a king and eight dukes from its members. The person selected King Cotton is usually an active mem

This year's King Cotton is Zach Yanta, president of

Oringinally, the profits from the Cotton Pageant and Ball were used for a fellowship to send the three agro-nomy seniors across the United States and to foreign

In 1956, the annual study tour for all agronomy students replaced the fellowship.

The money earned this year will be used to send agronomy students on a tour of the Midwest and to state

adronomy students on a tour of the Midwest and to state and national conventions, Douglas said. Randy Miles, adviser to the club, said students were entirely responsible for coordination of the pageant. "This is a complete club effort, with a chairman and

sistant and nine committees, for all have specific fur

This year's pageant will begin on April 11 with a square dance in the Zachry Engineering Center. The Pageant and Ball will be April 12.

ber of the club, said Douglas

the Agronomy Society.



Diane Burns, senior animal science major from Tucson, Arizona receives a Senior Merit Award from College of Agriculture Dean H. O. Kunkel.

Photo by Julie Smiley

Researcher reflects on vitamin discovery

By Jane Lyon

(Editor's note: This story was written last semester for The Agricultur-ist. On March 18, 1980, Fred Hale died at the age of 79.)

The year was 1918 and Fred Hale was a freshman at Texas A&M University majoring in animal husban-dry. A decade later he would pioneer the discovery of the effect of maternal vitamin-A deficiency in embryonic development. His experiments were conducted on swine.

Now at age 79 and settled in his new office in the Kleberg Animal Science building, Hale recalled his experiments that led to the discovery which would be of "incalculable for the Council on Scientific Work in

'We worked on this from 1928 until we obtained all our information in

n for a period of 160 days before, and for the first 30 days after breeding. In 1932 she farrowed a litter of 11 pigs, all of which unexpectedly

were born without eyeballs. "We didn't know what we were going to get," Hale said. "We knew we would get something because li-"It's amazing how we would get something because li-terature was full of evidence that vitamin-A deficiencies would cause an eye disease.

But all previous research had been search done on individuals from birth to Eve

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Further experiments followed in order to duplicate and prove the first. In one experiment, Hale said continued the vitamin-A deficient diet even after the first 30 days after reeding. The gilt failed to farrow at the end of the normal gestation period. A postmortem examination indicated the letter had perished at an early stage, followed by resorp tion of the fetuses.

min-A was not given to the gilts 30 days after breeding, then resorption would occur. Thirty days without vitamin-A was long enough to allow defects in the facial tissue to take place.

Some pigs were also born with cysts on the head and back, extra

After his discovery, Hale spoke before the American Journal of Ophthalmology about his findings. In their publication about Hale's work in 1935, they suggested that many of the eye weaknesses which we suffer today may be due to mater-nal vitamin-A deficiency. Perhaps e have been forcing our spinach on the wrong victims; it ought to be administered to the mothers instead of the children

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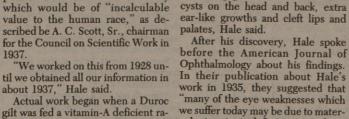
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"quiet miracle." He said the object of weight re-duction and control is to balance food intake with energy expenditure, but bread should not be ruled out as weight-reducing food. Enriched bread contains protein, vitamins and minerals and is less expensive than meat as a protein source, although bread is not complete protein as is meat

By Julie Smiley

A&M, drew both profess



Agriculture students who worked the Houston Livestock Show and Rodeo included: left) Louis Martin, an animal science major; (middle) Becky Dobson, agricultural jour-nalism and Steven Wythe, animal science; and (top) Sherry Keller, agricultural jour-

Stock show work is a tradition

By Martha A. Hollida

It's the world's largest livestock show and rodeo, but to students in the Texas A&M University College of Agriculture, it's a tradition. Each year the tradition continues and more students are involved with

and more students are involved with working at the Houston Livestock

"Essentially we have been sending A&M students to work since the show had its beginning. The number of students has increased as the show of students has increased as the show grows larger," said Professor Emer-itus R.C. Potts.

The animal science department

tants, provided press representa-tives with information concerning the show and assisted with media coverage and photography. The students stayed for different lengths of time depending on the show schedule. They were chosen on the basis of their grades and class work

The pay is minumum wage and the working day lasts from 12 to 16 hours, although some days require 18 to 24 hours to get the work done. "It has to be the most worthwhile experience in my education. There's no monetary value that could be put on what 1 hoursed from working a no monetary value that could be put on what I learned from working at the Houston Livestock Show. You have to admire the support that is given to the youth in Texas and the people of Houston are to be com-mended for their support of the show," remarked Ken Jordan, senior animal science major. Karen Holley, a senior agricultu-ral education major worked for J Bar S Fitting Service and said that she learned a lot by showing and fitting the cattle.

The animal science department sent many students to assist in the livestock office. These were primari-ly junior and seniors majoring in animal science. There were also stu-dents from other areas of agriculture. These students worked at the judging shows, assisted the livestock superintendents, handled the trophies and ribbons, worked with photographers, checked in livestock, provided information and worked for animal science. There were also stu-dents from other areas of agriculture. These students worked at the judging shows, assisted the livestock superintendents, handled the trophies and ribbons, worked with photographers, checked in livestock, provided information and worked for various cattle fitting services. Agricultural journalism students worked in the press releases ab-out the shows, interviewed contes-tants, provided press releases ab-out the shows interviewed contes-tants, provided press representa-tives with information concerning the show and assisted with media



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